

DEPARTMENT OF TRANSPORTATION**DIVISION OF ENGINEERING SERVICES**

Office of Structural Materials

Quality Assurance and Source Inspection



Bay Area Branch
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Contract #: 04-0120F4Cty: SF/ALA Rte: 80 PM: 13.2/13.9File #: 69.15**SOURCE INSPECTION REPORT****Resident Engineer:**Pursell, Gary**Address:** 333 Burma Road**City:** Oakland, CA 94607**Report No:** SIR-001053**Date Inspected:** 16-Oct-2009**Project Name:** SAS Superstructure**OSM Arrival Time:** 645**Prime Contractor:** American Bridge/Fluor Enterprises, a JV**OSM Departure Time:** 1845**Contractor:** Zhenhua Port Machinery Company, Ltd (ZPMC), Changxing Island **Location:** Shanghai, China**Quality Control Contact:****Quality Control Present:****Material transfer:** Yes No N/A**Sampled Items:** Yes No N/A**Stock Transfer:** Yes No N/A**OK to Cut:** Yes No N/A**Rebar Test Witness:** Yes No N/A**Delayed/Cancelled:** Yes No N/A**Other:****Bridge No:** 34-0006**Component:** OBG and Tower Components**Bid Item:****Lot No:** B278**Summary of Items Observed:**

On this day CALTRANS OSM Quality Assurance Inspector (QA) S. Manjunath. Math was present during the times noted above for observations relative to the work being performed.

Inspection for Surface Preparation and/or Coating Application.

Tower Items Inspection before Galvanising Inspection Request No. T236

A joint two party inspection was performed by ABF Bill Oaks, ABF Sun Xiong and QA for the Tower items before Galvanizing.

The items which were inspected before Galvanizing were

1. Ladder 24 Nos.
2. Splice for the Ladder 156 Nos.
3. Splice for the Handrails 212 Nos.

Inspection Conclusions: Items were visually checked and accepted by ABF and Caltrans QA concurred with it and allowed ZPMC to perform the Galvanizing on above mentioned items.

Tower Items Pre-Blasting Inspection Request No. T237

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A joint two party inspection was performed by ABF Mr. Bill Oaks, Mr. Shi Zhaoyuan, Mr. Sun Xiong, Mr. Zhou Wei, Mr. Weichang Yun, Mr. Zhou Ounsong, Mr. David Duan, Mr. Zili Peng (International Paint) and QA for the Tower items for Pre-Blasting.

The items which were inspected were as following.

- 1 Double Diaphragm NSD1-119 M – 1 Set.
- 2 Double Diaphragm NSD1-135 M – 1 Set.
- 3 Double Diaphragm NSD1-139 M – 1 Set.

Inspection Conclusions: Items were Rejected by ABF Inspector due to minor grinding work which was supposed to be performed and Re-blasting was recommended after removing all the defects and Caltrans QA concurred it.

Tower Items Blasting and Residual Chloride Test Inspection Request No. T238

A joint two party inspection was performed by ABF Mr. Bill Oaks, Mr. Shi Zhaoyuan, Mr. Sun Xiong, Mr. Zhou Wei, Mr. Weichang Yun, Mr. Zhou Ounsong, Mr. David Duan, Mr. Zili Peng (International Paint) and QA for the Tower items for Blasting and Residual Chloride Test.

The items which were inspected were as following.

- 1 Double Diaphragm NSD1-119 M – 1 Set.
- 2 Double Diaphragm NSD1-135 M – 1 Set.
- 3 Double Diaphragm NSD1-139 M – 1 Set.

Inspection Conclusions: Items were Accepted by ABF after minor grinding and Re-Blasting work. The profile of blasting found between 72 to 86 micrometer. 3 (Three) spots of welding defects masked and ambient condition found satisfactory. Residual Chloride Test was performed and found 20 micron/cm and Caltrans QA concurred it.

Splice Inspection Request No. 1770

A joint two party inspection was performed by ABF Mr. Shi Zhaoyuan, Mr. Sun Xiong, Mr. Zhou Wei, Mr. Weichang Yun, Mr. Zhou Ounsong, Mr. David Duan, Mr. Zili Peng (International Paint) and QA for the Splice items for Blasting.

The items which were inspected were as following.

- 1 Splice GGL-MQ-490 – 75 Nos.
- 2 Splice GGL-MQ-1382 – 10 Nos.
- 3 Splice GGL-MQ-1387 – 20 Nos.

Inspection Conclusions: Items were accepted by ABF after minor grinding and re-blasting and Caltrans QA concurred it.

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OBG Items Inspection Request No. 1771

A joint two party inspection was performed by ABF Mr. Shi Zhaoyuan, Mr. Sun Xiong, Mr. Zhou Wei, Mr. Weichang Yun, Mr. Zhou Ounsong, Mr. David Duan, Mr. Zili Peng (International Paint) and QA for the items mentioned as below for Mist Coating.

The items which were inspected were as following.

- 1 Suspender Bracket for Mist Coat application – 5 Sets.
- 2 Bike Path Cantilevers BK002-001 and BK003-001 – 2 Sets.
- 3 Maintenance Crane Rail Brackets- TR8B-PP 8.5 – 1 Set.
- 4 CB3 External Accessories – M201A- 12 Pcs.

Inspection Conclusions: All Items were accepted by ABF after minor repair areas to be touched up with IZ 52 and instructed them to apply mist Coat Interfine 979 after curing of IZ 52 i.e., after 3 Hours and Caltrans QA concurred it.

OBG External and Internal Surface Inspection Request No. 1772

A joint two party inspection was performed by ABF Mr. Shi Zhaoyuan, Mr. Sun Xiong, Mr. Zhou Wei, Mr. Weichang Yun, Mr. Zhou Ounsong, Mr. David Duan, Mr. Zili Peng (International Paint) and QA for the OBG External and Internal Surface.

The items which were inspected were as following.

- 1 OBG External and Internal Surface for Segment 6CE.

Inspection Conclusions: Accepted by ABF and noticed at Roof/Ceiling weld metal which was not flush ground and informed the same to ABF as well to ZPMC to flush grind the same and offer for Inspection and Caltrans QA concurred it.

OBG Internal U-Rib and Re-Blasted Area (Partial) Inspection Request No. 1773

A joint two party inspection was performed by ABF Mr. Shi Zhaoyuan, Mr. Sun Xiong, Mr. Zhou Wei, Mr. Weichang Yun, Mr. Zhou Ounsong, Mr. Zili Peng (International Paint) and QA for the OBG Internal U-Rib and Re-Blasted Area (Partial).

The items which were inspected were as following.

- 1 OBG Internal U-Rib and Re-Blasted Area (Partial) for Lift 2 East.

Inspection Conclusions: Accepted by ABF 1/3 of the area only and expect for bolt holes. Noticed blasting profile range was 65 to 79 and Caltrans QA concurred it.

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Unless otherwise noted, all work observed on this date appeared to generally comply with applicable contract documents.



Summary of Conversations:

No Relevant Conversation

Comments

This report is for the purpose of determining conformance with the contract documents and is not for the purpose of making repair or fit for purpose recommendations. Should you require recommendations concerning repairs or remedial efforts please contact , who represents the Office of Structural Materials for your project.

Inspected By:	Math,Manjunath
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Quality Assurance Inspector

Reviewed By:	Carreon,Albert
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QA Reviewer
